AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) Method for scaling peak power amplitudes in a signal at a transmitter before submitting said signal to a power amplifier, said method comprising ~~the steps of~~:

calculating scaling factors for a pulse train comprising a group of at least two peaks, ~~which~~ whose power ~~exceed~~ exceeds a predefined threshold, said scaling ~~factor~~ for one peak taking into account an influence on said peak which occurs if at least one other peak of said group is applied a scaling factor; and

applying said calculated scaling factors to said respective peaks of said group.

2. (original) Method according to claim 1, wherein said influence depends on the distance between said peak and said at least one other peak.

3. (currently amended) Method according to claim 1, wherein said ~~step of calculating~~ calculation of said scaling factors comprises ~~the sub-steps of~~:

calculating corrected signals for each peak taking into account the said influence of the

other peaks of said group;

Calculating for each peak a scaling factor starting fromcorresponding to said corrected

signal.

4. (original) Method according to claim 1, wherein said scaling factors for said train of

pulses guaranty that the power of the scaled peaks belonging to said group reaches said

predefined threshold.

5. (currently amended) Method according to claim 1, wherein said scaling factors for

said train of pulses guaranty that the an average power of the clipped signal is higher than a said

predefined threshold value.

6. (original) Method according to claim 1, wherein at least two iterations of said method

are successively applied to said signal followed by a step of hard clipping.

7. (original) Method according to claim 1, wherein said signal is a signal comprising a

plurality of single carrier signals constituted by a superposition of several CDMA signals.

8. (currently amended) Transmitter comprising:

means for scaling peak power of a signal, and

said transmitter further comprising a power amplifier for amplifying said signal,

wherein said transmitter comprises said means for scaling peak power comprises:

means for calculating scaling factors for a pulse train comprising a group of at least two adjacent peaks which whose power exceed exceeds a predefined threshold, said scaling factor for one peak including the an influence on said pulse train which occurs if at least one other peak of the group is applied a scaling factor; and

means for applying said calculated scaling factors to said respective peaks of said group.

9. (original) Transmitter according to claim 8, wherein said means for scaling peak power is implemented on a DSP or a FPGA.

10. (currently amended) Transmitter according to claim 8, wherein it said transmitter is used in a base station of a CDMA radio communication network.

11. (new) Transmitter according to claim 8, wherein said scaling factors for said train of pulses guaranty that an average power of the clipped signal is higher than said predefined threshold value.